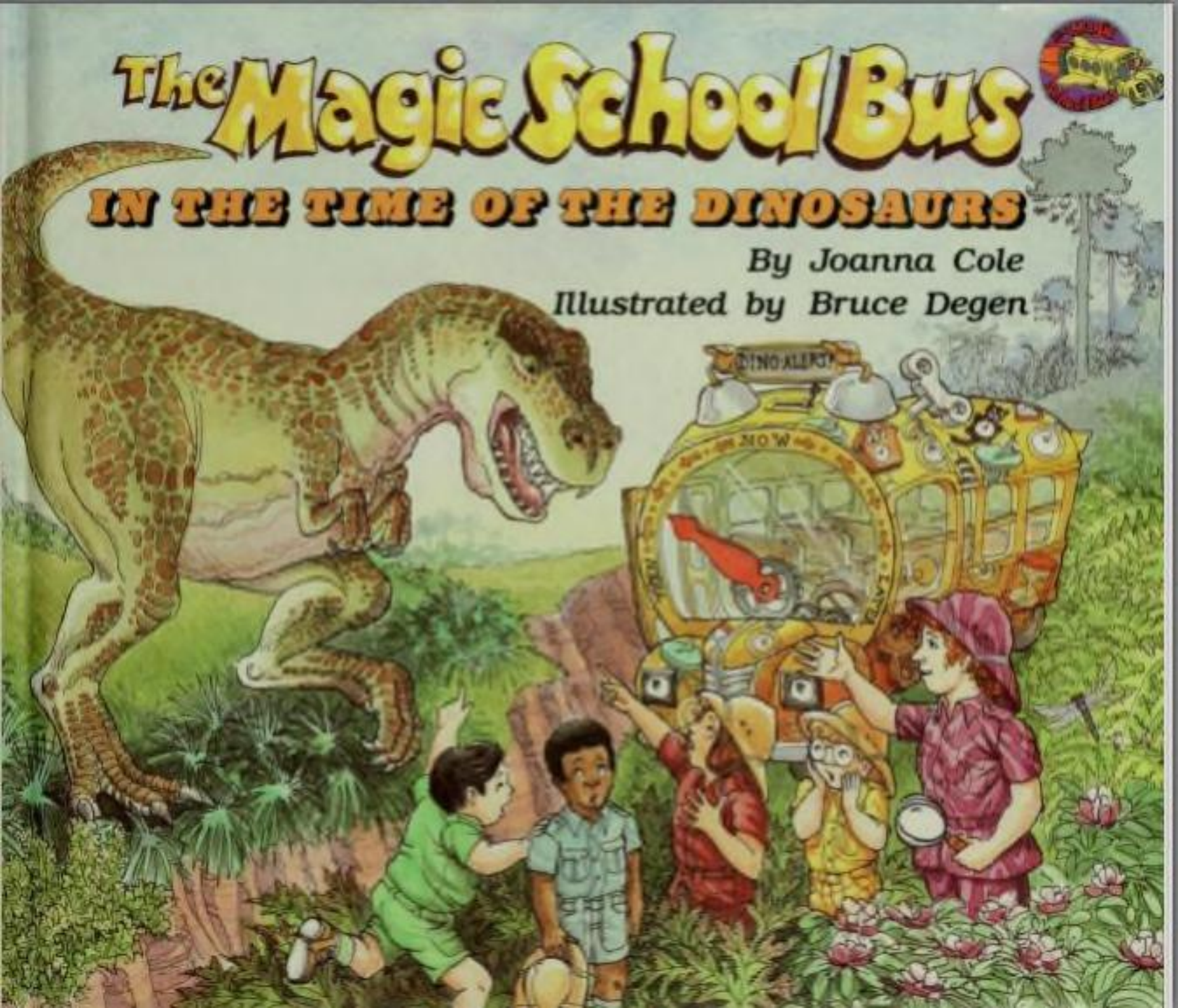
The Magic School Bus

IN THE TIME OF THE DINOSAURS

By Joanna Cole

Illustrated by Bruce Degen



SAURIODS
NOW
THEN

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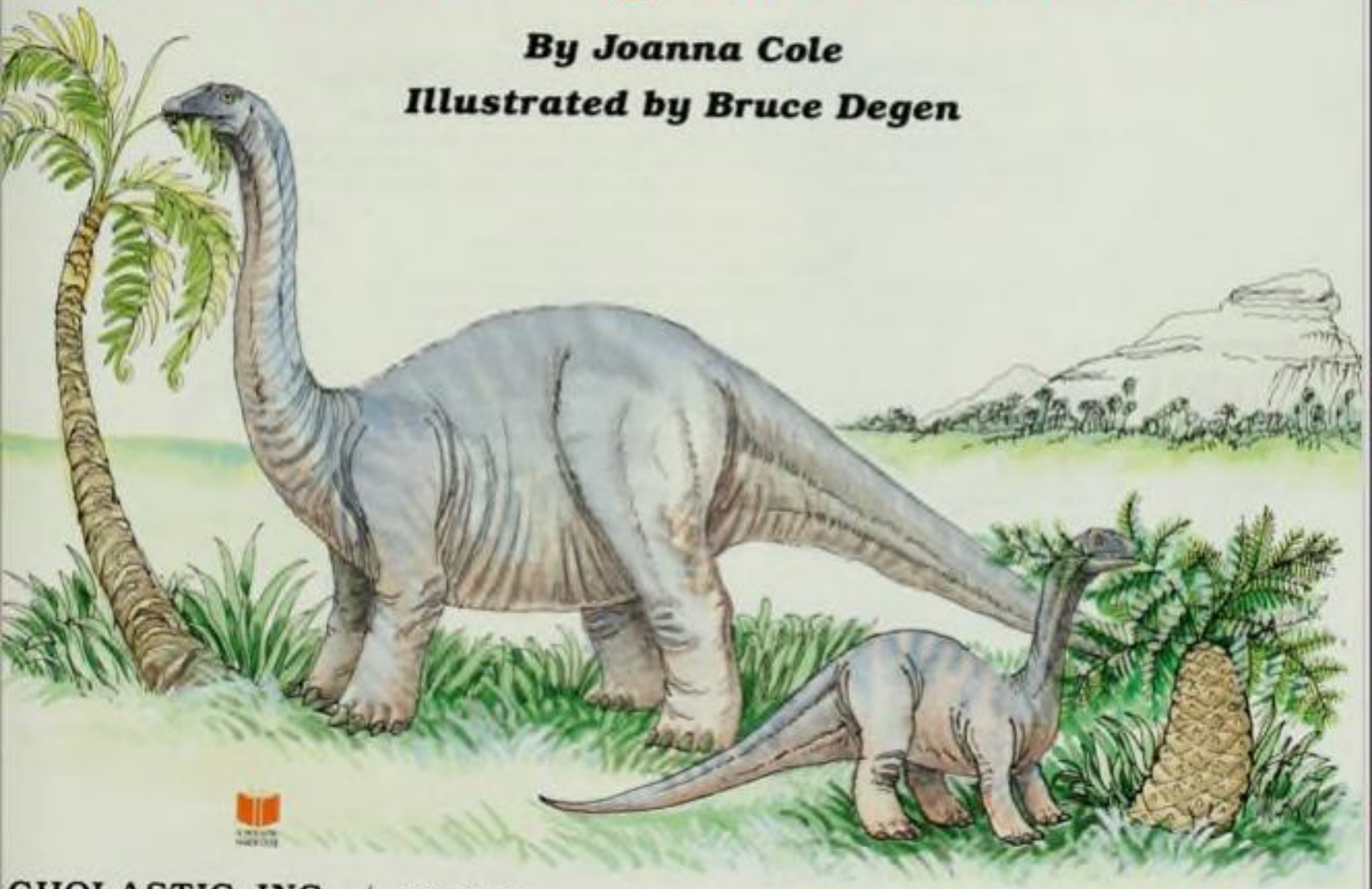
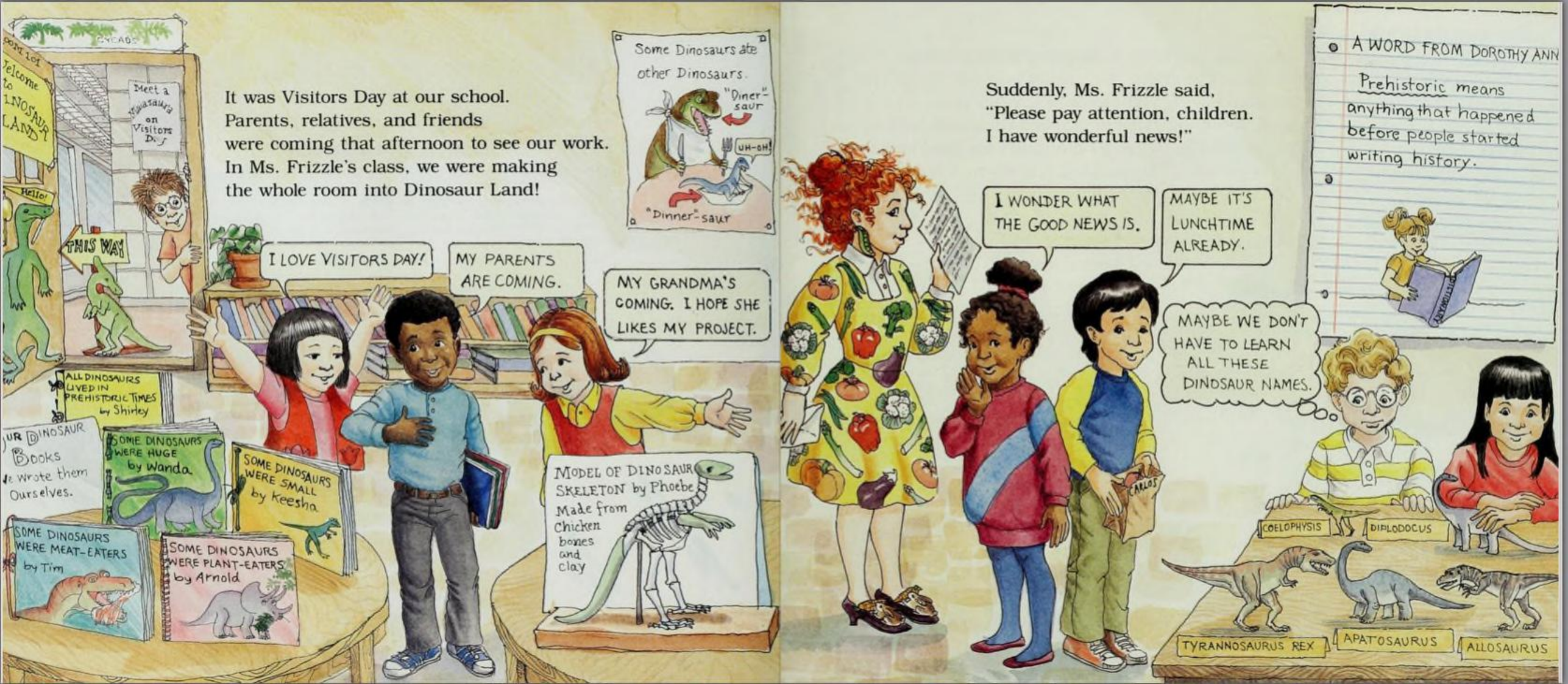


SCHOLASTIC INC. / New York

To Armand Morgan,
our personal guide to the time of the dinosaurs
J.C. & B.D.


CYCADS
Welcome to DINOSAUR LAND
Meet a Dinosaur on Visitors Day
Hello!
THIS WAY
ALL DINOSAURS LIVED IN PREHISTORIC TIMES by Shirley
SOME DINOSAURS WERE HUGE by Wanda
SOME DINOSAURS WERE SMALL by Keesha
SOME DINOSAURS WERE MEAT-EATERS by Tim
SOME DINOSAURS WERE PLANT-EATERS by Arnold
Some Dinosaurs ate other Dinosaurs.
"Diner"-saur
UH-OH!
"Dinner"-saur
It was Visitors Day at our school. Parents, relatives, and friends were coming that afternoon to see our work. In Ms. Frizzle's class, we were making the whole room into Dinosaur Land!
I LOVE VISITORS DAY!
MY PARENTS ARE COMING.
MY GRANDMA'S COMING. I HOPE SHE LIKES MY PROJECT.
MODEL OF DINOSAUR SKELETON by Phoebe Made from Chicken bones and clay
Suddenly, Ms. Frizzle said, "Please pay attention, children. I have wonderful news!"
I WONDER WHAT THE GOOD NEWS IS.
MAYBE IT'S LUNCHTIME ALREADY.
MAYBE WE DON'T HAVE TO LEARN ALL THESE DINOSAUR NAMES.
A WORD FROM DOROTHY ANN
Prehistoric means anything that happened before people started writing history.
COELOPHYSIS
DIPLODOCUS
TYRANNOSAURUS REX
APATOSAURUS
ALLOSAURUS

DINOSAURS WERE REPTILES
by Carlos

Dinosaurs were a group of special prehistoric reptiles. Reptiles are animals that:

- have backbones
- have scaly skin
- lay eggs
- are cold-blooded

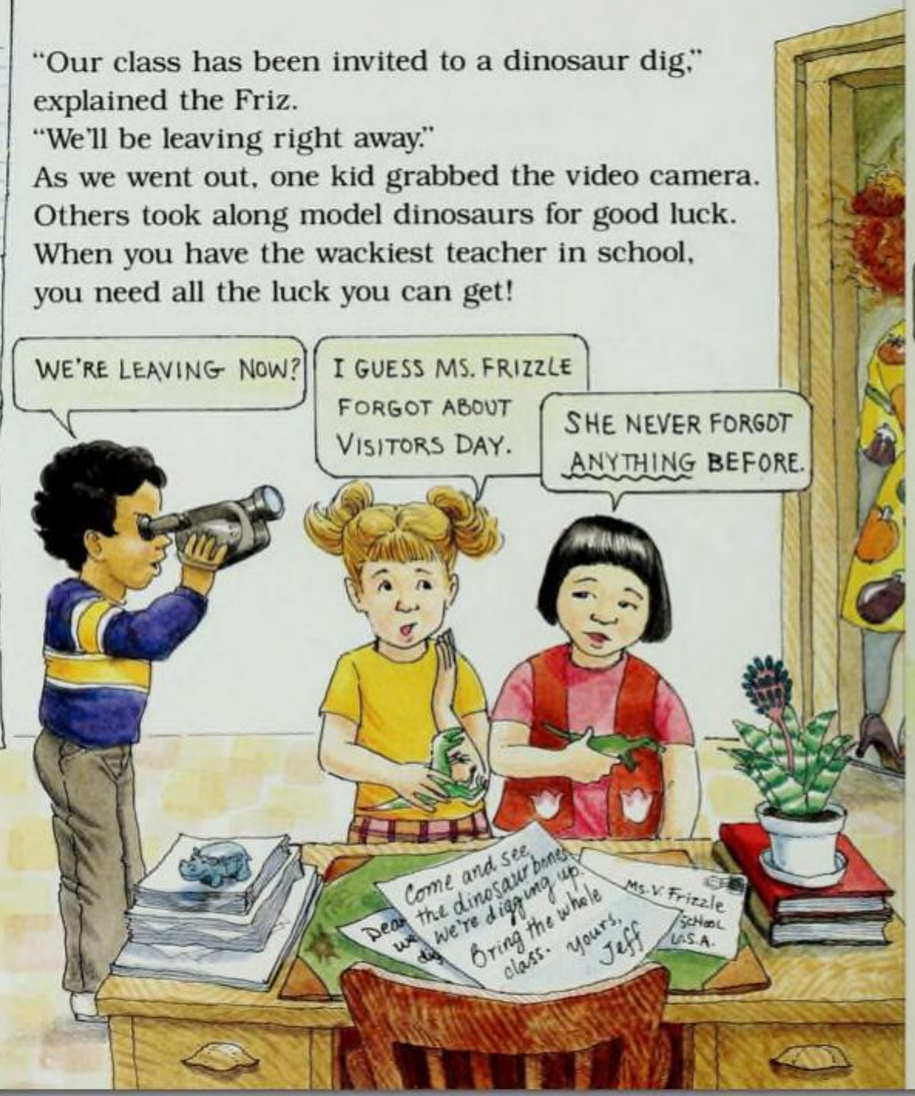
REPTILES OF TODAY

DINOSAURS WERE SPECIAL

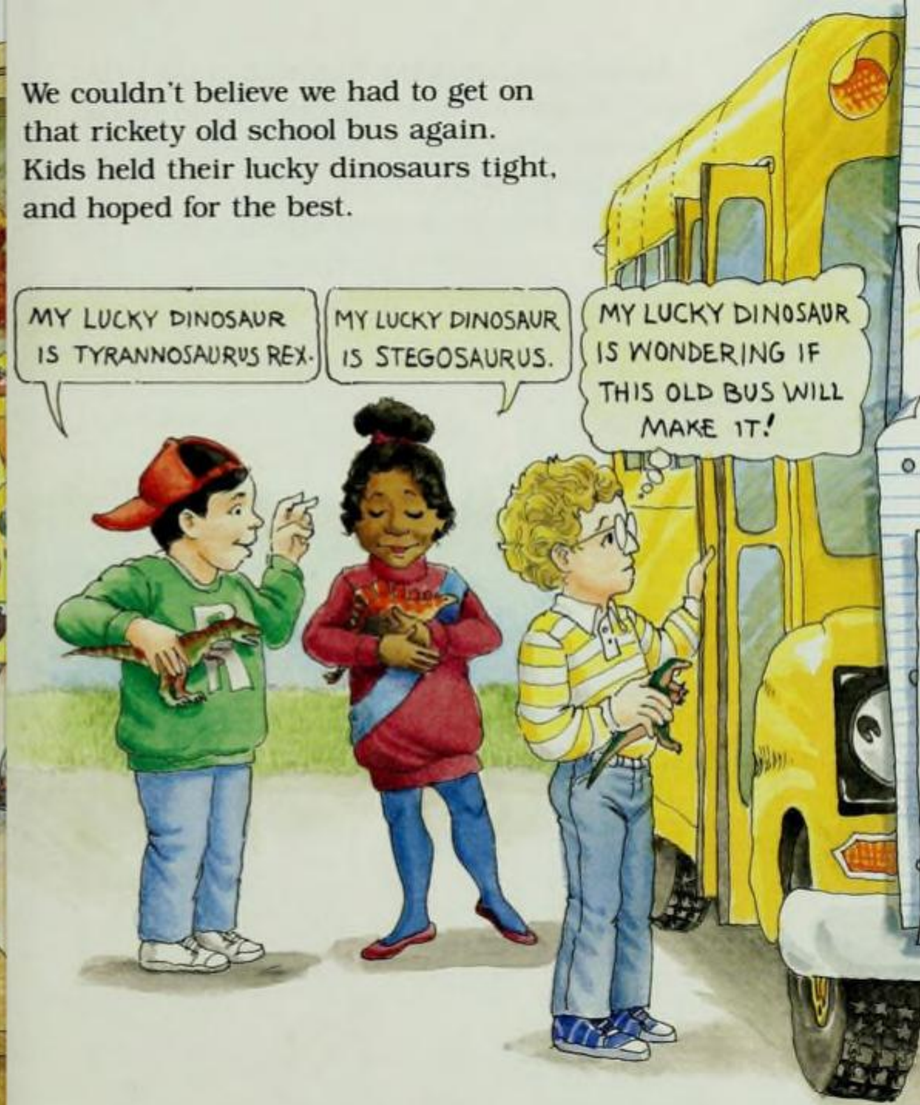
Dinosaurs had straight legs. They could walk or run fast.

Today's reptiles have sprawled-out legs.

"Our class has been invited to a dinosaur dig," explained the Friz.
"We'll be leaving right away."
As we went out, one kid grabbed the video camera. Others took along model dinosaurs for good luck.
When you have the wackiest teacher in school, you need all the luck you can get!


WE'RE LEAVING NOW?
I GUESS MS. FRIZZLE FORGOT ABOUT VISITORS DAY.
SHE NEVER FORGOT ANYTHING BEFORE.
Dear ...
Come and see the dinosaur bones we're digging up. Bring the whole class. yours, Jeff
Ms. V. Frizzle School U.S.A.

We couldn't believe we had to get on that rickety old school bus again. Kids held their lucky dinosaurs tight, and hoped for the best.


MY LUCKY DINOSAUR IS TYRANNOSAURUS REX.
MY LUCKY DINOSAUR IS STEGOSAURUS.
MY LUCKY DINOSAUR IS WONDERING IF THIS OLD BUS WILL MAKE IT!

COLD BLOOD/WARM BLOOD
by Tim

COLD-BLOODED animals get most of their body heat from outside their bodies.

WARM-BLOODED animals make their own body heat.

DINOSAURS WERE SPECIAL

Some dinosaurs may have been warm-blooded. All of today's reptiles are cold-blooded.

NO PEOPLE EVER SAW A DINOSAUR by Florrie

When early humans appeared on earth, dinosaurs had already been dead for millions of years!

People found out about dinosaurs from fossils.

FIVE KINDS OF DINOSAUR FOSSILS by Alex

1. BONES
2. TEETH
3. FOOTPRINTS
4. SKIN PRINTS
5. EGGS AND NESTS

As we rolled onto the highway, Ms. Frizzle shouted from the driver's seat, "We're on our way to fossil country, kids! Who knows what a fossil is?" Luckily, we had done our homework. We knew a fossil is anything left from a prehistoric animal or plant.

THIS STORY IS MAKE-BELIEVE.

THERE WERE NO DINOSAURS IN THE TIME OF CAVE PEOPLE.

After we had been driving for a long time, we came to a desert where people were working. Ms. Frizzle said this was the dinosaur dig. The people were paleontologists — scientists who study prehistoric life.

DINOSAURS LASTED FOR 150 MILLION YEARS ON EARTH! WEREN'T THEY AMAZING, ARNOLD?

IT'S AMAZING THAT I'VE LASTED THIS LONG IN MS. FRIZZLE'S CLASS.

HOW A DEAD DINOSAUR COULD BECOME A FOSSIL by Carme

1. The dead body sank in a river, and rotted away.

2. The bones were covered with sand.

3. In time, the sand turned into rocks.

4. The bones became hard as rock, too.

DINOSAURS WERE SPECIAL

Dinosaurs were on earth 1500 times longer than humans have been so far.

WHERE HAVE DINOSAUR FOSSILS BEEN FOUND?

by Phil

Everywhere on earth -- even within the Arctic Circle and near the South Pole!

LOOKING FOR DINOSAUR FOSSILS? TRY WESTERN NORTH AMERICA!

by Keesha

There are so many dinosaur fossils in the West that the area has been called a fossil treasure trove.

Fossil sites

Everyone at the dig was working hard, using all kinds of tools to separate the fossils from the rocks around them.

I SEE YOU'RE STILL INTERESTED IN DINOSAURS, JEFF.

VALERIE! I HAVEN'T SEEN YOU SINCE HIGH SCHOOL!

LET'S GET THIS ON VIDEO!

WHISK BROOM

GLUE

PLASTER

BURLAP

BONE IS WRAPPED WITH BURLAP AND PLASTER SO IT WON'T BREAK WHEN IT IS MOVED.

The paleontologists told us they had found the fossil bones of a duckbilled dinosaur called *Maiasaura*.

DRINKING WATER

I ♥ BONES

SHOVEL

I ♥ DIRT

PICK

I ♥ ROCKS

HAMMERS

CHISELS

SHE CALLS HIM JEFF?!!

HE CALLS HER VALERIE?!!

THEY WENT TO HIGH SCHOOL TOGETHER?!!

THAT MUST HAVE BEEN IN PREHISTORIC TIMES.

A DINOSAUR GETS ITS NAME FROM...

by Carmen

1. Something special about the way it lived --

MAIASAURA means "GOOD MOTHER LIZARD" Maiasaura took care of their babies.

2. Something special about its body --

DEINONYCHUS means "TERRIBLE CLAW"

3. The place where it was found --

YUNNANOSAURUS was found in YUNNAN, CHINA.

* The scientist who finds the first fossils of a dinosaur gets to name it.

HOW CAN WE TELL WHICH BONES ARE WHICH? by Shirley

Paleontologists compare dinosaur bones with the bones of other animals. For example, if you know the thigh bone of a...

BIRD
LIZARD
DOG

HUMAN

...you will be able to tell the thigh bone of a dinosaur.

MAIASAURA

The paleontologists seemed sad.
"We were looking for fossil eggs," they said.
"But we haven't found any yet."

THIGH BONE
TOE BONE
RIBS
SKULL
BACKBONE

WE FOUND THE BONES OF SOME MAIASAURA DINOSAURS, VALERIE.

WE WERE HOPING TO FIND THEIR NESTS.

I DIDN'T KNOW HER NAME WAS VALERIE.

We saw a gleam in Ms. Frizzle's eye.
"Want to look for some *Maiasaura* nests, kids?" she shouted.
She rushed us onto the bus and drove off.

BUT WE JUST GOT HERE.

I WANT TO LOOK AT THAT CRANE.

I WANT TO SEE THE DINOSAUR BONE.

SEE YOU LATER, JEFF.

I ♥ DINOSAURS

We hadn't gone far when Ms. Frizzle stopped the bus.
She turned a dial on the dashboard, and the bus began to change.
It looked like a giant alarm clock.
Ms. Frizzle said it was a time machine!

NOW I'VE SEEN EVERYTHING.

THIS BUS IS GETTING RIDICULOUS.

MAIASAURA WERE SOME OF THE VERY LAST DINOSAURS ON EARTH.

SCHOOL TIME

NOW

THEN

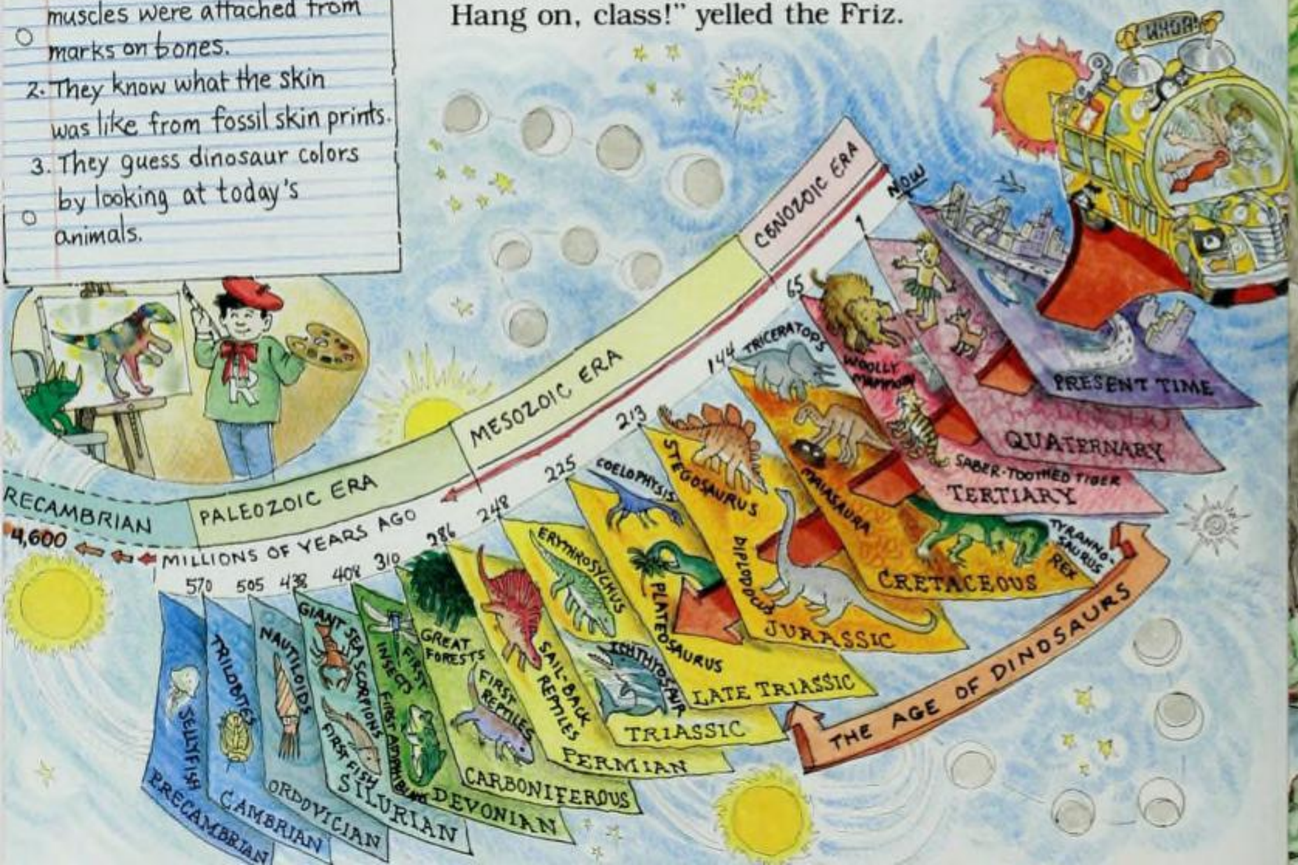
LATER

HOW DO WE FIGURE OUT
WHAT DINOSAURS LOOKED LIKE?
by Ralphie

Scientists put dinosaur bones together.

1. They figure out how the muscles were attached from marks on bones.
2. They know what the skin was like from fossil skin prints.
3. They guess dinosaur colors by looking at today's animals.

The hand on the clock started moving backward:
One hour back . . . one day back . . . one year back . . .
Outside the windows, the desert was whizzing by.
One thousand years . . . one million years . . .
"We're on our way to the time of the *Maiasaura*.
Hang on, class!" yelled the Friz.



Ring! Ring! The alarm went off.
We heard Ms. Frizzle say, "Ooops!
We had a little machine trouble.
We went back too far in time,
but it's nothing to worry about."
Nothing to worry about!
We missed the time of the *Maiasaura*
by millions of years!

CLASS, WE'RE IN THE LATE TRIASSIC PERIOD-- THE TIME OF THE EARLY DINOSAURS!

YOU MEAN WE'RE IN THE SAME PLACE BUT IN ANOTHER TIME?

YOU MEAN THIS IS WHAT THAT DESERT LOOKED LIKE 220 MILLION YEARS AGO?

WOW! IT'S A JUNGLE OUT THERE!

DINODONTOSAURUS

COELOPHYSIS

WHAT WAS THE EARTH LIKE THEN?

PANGAEA

One giant continent called PANGAEA

- Rainy Jungles
- Many deserts
- Warm temperatures
- No winter anywhere!

WHERE WE ARE IN TIME

PRESENT TIME

CENOZOIC ERA
65 MILLION YEARS AGO

CRETACEOUS
144 MILLION YEARS AGO

JURASSIC
213 MILLION YEARS AGO

LATE TRIASSIC
225 MILLION YEARS AGO

FOSSIL TEETH TELL WHAT DINOSAURS ATE

by Phoebe

Sharp, pointy teeth came from meat-eaters.

Odd-shaped teeth came from plant-eaters.

The Friz pointed to some dinosaurs that were hunting on the banks of a river. "Their name is *Coelophysis*," she said. "These early dinosaurs were small and light. The giant dinosaurs did not develop until later."

COELOPHYSIS HAVE EXCELLENT TEETH FOR EATING MEAT. THEIR TEETH HAVE "SAW" EDGES LIKE STEAK KNIVES.

TRY NOT TO LOOK LIKE A STEAK!

PREY:
DRAGONFL
LIZARD
MAMMAL
AMPHIBIAN

Suddenly, a large reptile rose out of the water and opened its huge mouth. "That is not a dinosaur," Ms. Frizzle said. "It's a phytosaur — a crocodile-like reptile." The phytosaur caught a little dinosaur and pulled it underwater. We wanted to get back on the bus, pronto! But Ms. Frizzle said we had to learn about Triassic plant life.

AETOSAUR

PHYTOSAUR

ARE MEAT-EATERS MEAN?

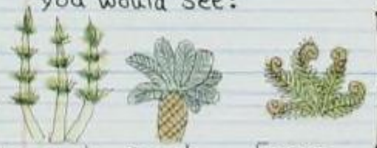
by Arnold

No. Predators are part of nature. Hunting is the only way they can get their food.

SOME WORDS FROM DOROTHY ANN

A predator is a hunting animal. Prey are the animals a predator hunts.

TRIASSIC PLANTS
by John
In Triassic times
you would see:



Horsetails Cycads Ferns

Gingkos Conifers

DINOSAURS WERE SPECIAL

Many dinosaurs were plant-eaters. Only a few kinds of modern reptiles are.

Plateosaur Tooth

GINGKOS

We were examining some ferns
when Ms. Frizzle shouted,
"Look at those terrific prosauropods!
They were the first dinosaurs to eat plants!"

I JUST LOVE TRIASSIC PLANTS, CLASS--DON'T YOU?

DO YOU HEAR SOMETHING?

YOU MEAN THOSE CRUNCHING SOUNDS?

MS. FRIZZLE ISN'T THE ONLY ONE WHO LOVES TRIASSIC PLANTS.

CYCADS

FERNS

ANCHISAURUS

CONIFER

PLATEOSAUR

A sudden downpour caught us by surprise
But the dinosaurs went right on eating.
We ran for the bus, and Frizzie called,
"Get ready to go *forward* in time, kids!"

IN A TROPICAL FOREST, RAINS ARE FREQUENT AND HEAVY, ARNOLD.

NOW SHE TELLS ME!

JEFF WILL LOVE THIS VIDEO.

THE FIRST MAMMALS LIVED WITH DINOSAURS

by Rachel

The first true mammals lived in the Late Triassic. They were furry rat-like animals.

WHAT ARE MAMMALS?

by Wanda

Mammals are animals that:

- have backbones
- have hair or fur
- are warm-blooded

- feed their babies with mothers' milk

The last things we saw before we took off
were some small, furry animals.
Ms. Frizzle said they were the first mammals.
The hand on the clock moved ahead,
and the Triassic rain forest whizzed out of sight.

WHEN WILL WE SEE MAIASAURA EGGS?

MAIASAURA LIVED 160 MILLION YEARS FROM NOW. LET'S SEE IF WE CAN FIND THEM.

NOW

LATER

THEN

EARLY MAMMALS

Ring! Ring! The alarm went off,
and we heard Ms. Frizzle say, "Oh no!"
We had stopped too soon.
It was the Late Jurassic Period,
the Age of Giants!

APATOSAURUS (ALSO CALLED BRONTOSAURUS)

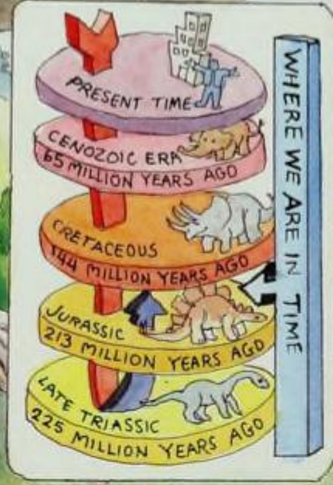
HERE ARE SOME INTERESTING TREE TRUNKS.

UM... I DON'T THINK SO.

WHAT WAS THE EARTH LIKE THEN?

Continents were drifting apart.

- Swampy, low-lying plains
- Beginnings of inland seas
- Beginning of Atlantic Ocean
- Warm temperatures everywhere



WHAT WERE SAUROPODS?

by Amanda Jane

Sauropods were heavy, long-necked dinosaurs. They walked on four legs and ate plants.

SOME KINDS OF SAUROPODS

ULTRASAURUS

BRACHIOSAURUS

DIPLODOCUS

APATOSAURUS

SEISMOSAURUS

"Notice these sauropod dinosaurs, children," said Ms. Frizzle.
They were kind of impossible to miss.
They were the largest land animals that ever lived!

STONES IN STOMACH GRIND UP FOOD

SIXTY MILLION YEARS HAVE PASSED SINCE WE WERE HERE LAST.

LOOK! THOSE SAUROPODS ARE SWALLOWING THEIR FOOD WHOLE!

THEIR TEETH ARE NOT GOOD FOR CHEWING, PHOEBE.

THEY SWALLOW STONES TO GRIND UP FOOD IN THEIR STOMACHS.

Sauropods!

NOW

THEN

NO SWAMPS FOR SAUROPODS

by Ralphie

People used to think sauropods waded in swamps. But fossil footprints show they walked on land and may have traveled in herds.

THE FOOTPRINTS WERE MADE AT THE SAME TIME

...AND THEY ARE ALL GOING IN THE SAME DIRECTION

FOSSIL TRACKWAY

OVERHEAD VIEW OF A... DINOSAUR HERD

A DINOSAUR HEARD WHAT?

IT MUST TAKE A LOT OF PLANTS TO FEED A GIANT SAUROPOD.

SAUROPODS MUST SPEND MOST OF THEIR TIME EATING.

WHAT A LIFE!

DINOSAURS WERE SPECIAL

Some dinosaurs may have traveled in herds!
None of today's reptiles do.

WE KNOW DINOSAURS LAID EGGS

by Amanda Jane

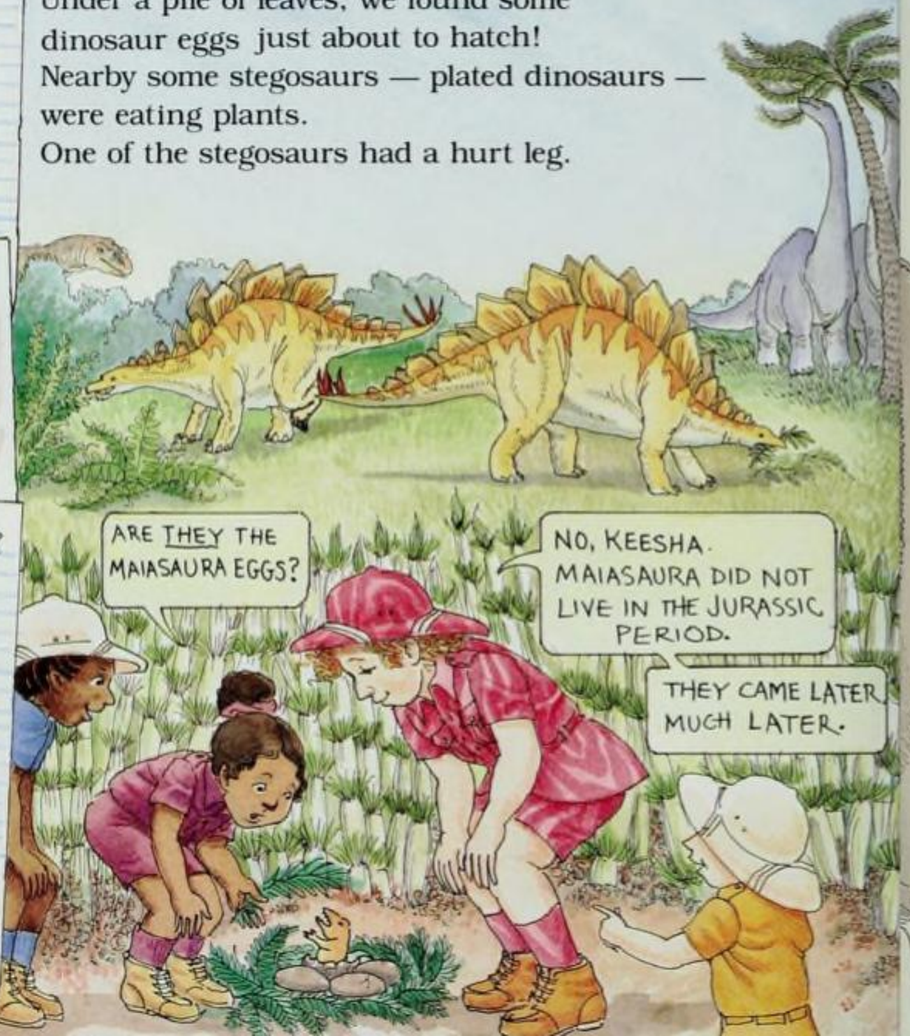
Fossil dinosaur eggs have been found. Inside some, there are tiny skeletons of babies.

HOW BIG WERE DINOSAUR EGGS?

by Molly

The largest dinosaur egg we have found was about the size of a football!

Under a pile of leaves, we found some dinosaur eggs just about to hatch!
Nearby some stegosaurs — plated dinosaurs — were eating plants.
One of the stegosaurs had a hurt leg.



Suddenly an *Allosaurus* approached the wounded *Stegosaurus*.
Stegosaurus's spiked tail lashed out.
It missed *Allosaurus* by an inch!
What would happen next?
We held our breath.

IT'S HARD TO BE A HUNTER.

by Alex

Being a predator is dangerous. Predators can get hurt or killed by their prey. This is why meat-eaters often attack prey that is weak, sick, or young.

Allosaurus darted close and took a big bite.
Then it moved back and waited.
Stegosaurus got weaker and weaker.
It had become food for *Allosaurus*.

CLASS, WHATEVER ALLOSAURUS DOES NOT EAT WILL FEED OTHER DINOSAURS, TOO.

AT MY OLD SCHOOL WE NEVER GOT THIS CLOSE TO PREDATORS.

I GUESS THAT STEGOSAURUS WON'T BECOME A DINOSAUR FOSSIL.

NO. IT'S BECOMING A DINOSAUR DINNER.

As we ran for the time machine,
Ms. Frizzle pointed out some strange birds.
"The first birds appeared in the
Late Jurassic," she said.
Then she pushed the fast-forward button
and shouted, "*Maiasaura*, here we come!"

WE STILL DIDN'T FIND MAIASAURA NESTS.

COME ON. LET'S GO LOOK FOR THEM.

NOW

THEN

LATER

BIRDS ARE LIVING DINOSAURS!
by shirley
Most paleontologists say today's birds are direct descendants of dinosaurs.

WOW, TWEETIE, I'M IMPRESSED.

BIRDS: PAST AND PRESENT
by Michael

ARCHAEOPTERYX

Like dinosaurs, the first birds had TEETH, CLAWED FINGERS, and BONY TAILS. Today's birds do not!

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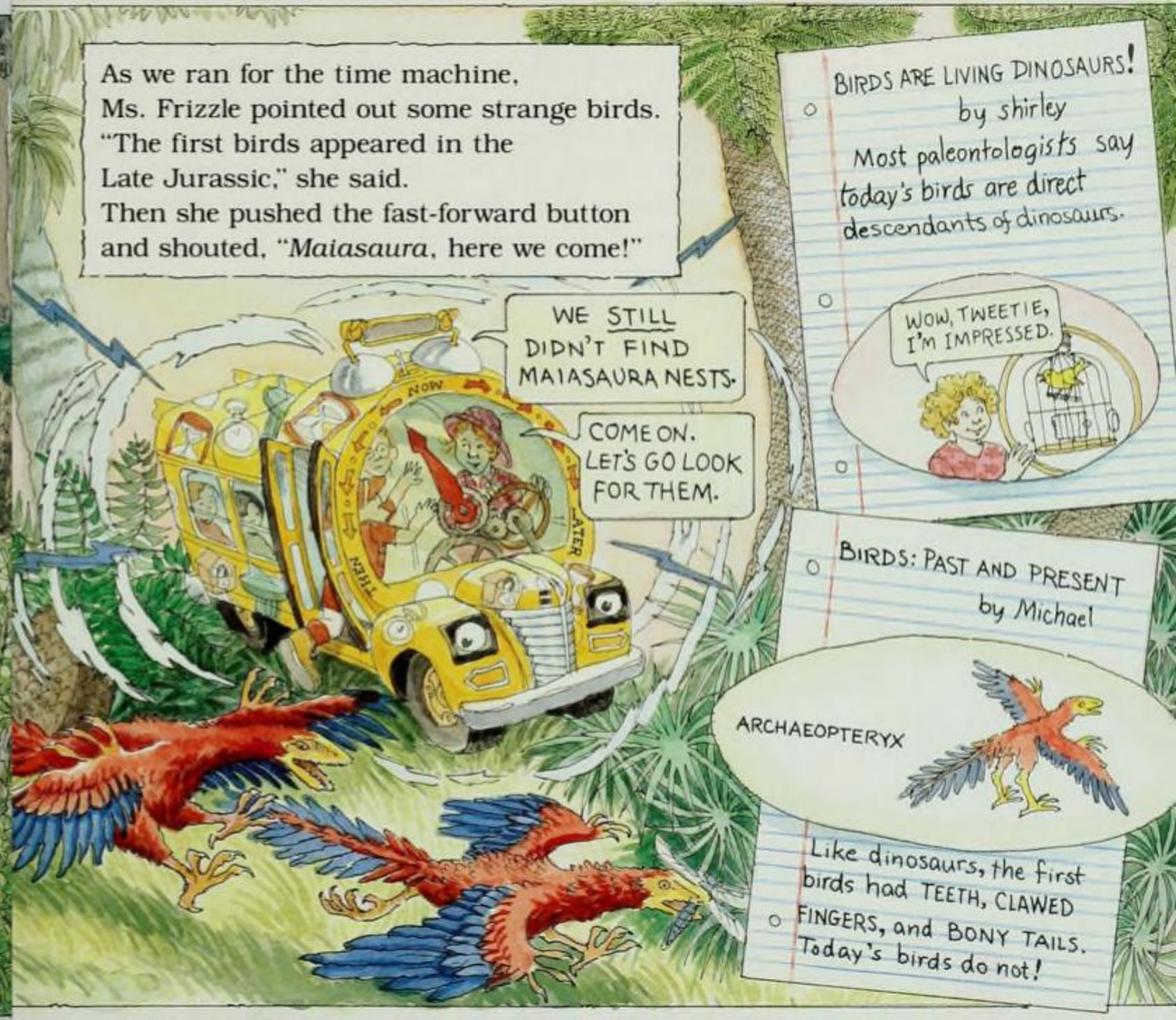
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ALL DINOSAURS WERE LAND ANIMALS

by Gregory

No dinosaurs lived in the sea. During the Cretaceous, dinosaurs lived in places that were not covered by water.

Ring! Ring! The alarm went off again.
We looked out — and then we freaked out!
Once again, we had stopped too soon.
"Here we are in the Late Cretaceous Period,"
announced Ms. Frizzle.
"At this time there was a sea
right in the middle of our continent."

WE WON'T SEE ANY DINOSAURS HERE.

WE'RE IN THE SAME PLACE 25 MILLION YEARS LATER.

HOW TIME FLIES.

THAT'S NOT ALL THAT FLIES.

PTERANODON

PRESENT TIME

CENOZOIC ERA 65 MILLION YEARS AGO

CRETACEOUS 144 MILLION YEARS AGO

JURASSIC 213 MILLION YEARS AGO

LATE TRIASSIC 225 MILLION YEARS AGO

WHERE WE ARE IN TIME

Out the windows, enormous sea reptiles swam by.
Overhead, flying reptiles glided past,
dipping their beaks in the water to catch fish.
We were getting a little wet,
so the Friz set the clock ahead again.

SEA REPTILES AND FLYING REPTILES: WERE THEY DINOSAURS?

by Tim

No, they were relatives of dinosaurs.

HI, COUSIN!

I'M HOMESICK.

I'M SEASICK.

AT MY OLD SCHOOL THE BUS DIDN'T LEAK.

CAN'T WE FIND A DRIER TIME, MS. FRIZZLE?

ELASMOSAURUS

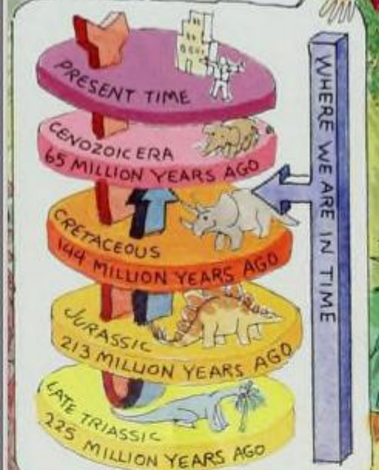
ICHTHYOSAUR

ARCHELON

WHAT WAS THE EARTH LIKE THEN?

Continents had drifted farther apart than before.

- Temperatures were cooler
- There were seasons and polar ice caps



THE SEA HAS DRIED UP IN THIS PART OF THE WORLD, CLASS.

THIS IS THE TIME OF THE MAIASAURA.

YOU LET A COUPLE OF MILLION YEARS GO BY AND LOOK WHAT HAPPENS!

BETTER LATE THAN NEVER!

The next thing we knew we had traveled forward two million years.
Now, we were at the very end of the Cretaceous Period.
This was the time of the last dinosaurs.
This was the time we had been looking for!

As soon as we got off the bus,
we saw that the Cretaceous world was different.
The weather was cooler.
There were colorful flowers and fruits everywhere.
And there were lots of new plant-eating dinosaurs.
"These plant-eaters could chew better than any other dinosaurs," said Ms. Frizzle.
"They had terrific teeth for grinding, and they had *cheeks*!"

CHEEKS KEEP FOOD FROM FALLING OUT SO PLANT-EATERS DO NOT LOSE FOOD THEY HAVE ALREADY CHEWED.

GEE, I DIDN'T KNOW CHEEKS WERE SO IMPORTANT.

NEW PLANT-EATERS OF THE CRETACEOUS PERIOD
by Ms. Frizzle

DUCKBILLS
Had hundreds of teeth in horny beaks

DOMEHEADS
Had thick skulls. May have butted heads like rams.

ARMORED
Had armor. Had few teeth.

HORNED
Had neck frill and horns. Had slicing teeth.

DINOSAURS WERE SPECIAL
Some dinosaurs chewed their food. All of today's reptiles swallow it whole.

DUCKBILL TEETH
Duckbills had hundreds of rows of teeth.

We were watching the plant-eaters chew,
when some tyrannosaurs approached.
Tyrannosaurs were the largest meat-eaters ever.
Their mouths were giant biting machines
with sixty sharp, stabbing teeth!

UH-OH. HERE COMES TROUBLE!

TYRANNOSAURUS TROUBLE!

SOME OTHER DINOSAURS HAD MORE TEETH, BUT TYRANNOSAURS HAD THE BIGGEST TEETH.

I FEEL SORRY FOR THE TOOTH FAIRY.

STYRACOSAURUS

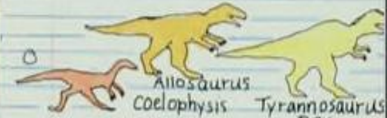
SERRATED EDGE

TYRANNOSAURUS REX
largest of dinosaur teeth
(actual size)

The tyrannosaurs were scary enough.
Then a pack of *Troodon* showed up, too!
They were small, but there were a lot of them!
They began circling the bus to see what it was.
We sized up the situation and ran.

ALL MEAT-EATING DINOSAURS WERE TWO-LEGGED
by Phoebe
Plant-eaters came in all different shapes.

Hadrosaurus Stegosaurus Apatosaurus
But all meat-eaters were built on the same pattern.



Allosaurus coelophysis Tyrannosaurus Rex

I HOPE YOU ARE OBSERVING THE TROODON, CLASS. NOTICE THE SLASHING CLAW ON EACH BACK FOOT.

WE'D LIKE TO OBSERVE THEM, MS. FRIZZLE, BUT...

WE HAVE TO LEAVE... RIGHT AWAY.

IN A HURRY...

THIS INSTANT...

IN OTHER WORDS... NOW!

Troodon Tooth (actual size)

TROODON

DINOSAURS WERE SPECIAL
Some dinosaurs may have hunted in packs.
None of today's reptiles do.

WOW!

LOOK AT ALL THE BABIES.

IT'S DINOSAUR DAY CARE!

As we came over the crest of a hill,
we saw an incredible sight!
It was the *Maiasaura* nesting ground!

Mother scooped out nest in ground.

Babies stayed in the nests.

DINOSAURS WERE SPECIAL

Some dinosaurs may have fed their babies!
None of today's reptiles do.

WHY DO WE THINK MAIASAURA BABIES GREW UP IN NESTS?

by Wanda

When scientists found the first Maiasaura nests, they saw:

- Crushed eggshells, showing that babies might have stayed in nests and stepped on shells.
- Skeletons of different sizes, showing that babies might have grown bigger in nests.
- Worn down baby teeth, showing that babies might have eaten food brought by parents.

We weren't the only ones
who had found the *Maiasaura*.
The *Troodon* had followed us.
They invaded the nesting ground.
The *Maiasaura* parents defended their young.
All at once, a sandstorm blew up.
In minutes, a thick layer of sand
covered the dinosaurs.

THESE DINOSAURS WILL ALL BE BURIED.

POOR DINOSAURS!

POOR US!

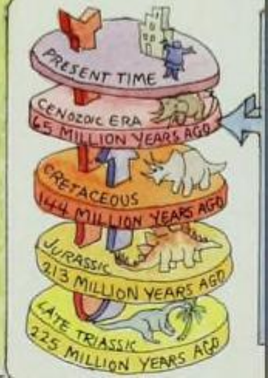
Everything happened so fast.
There was no way we could help
the dinosaurs.
Maybe they would become fossils.

OH, NO! I DROPPED MY MODEL MAIASAURA!

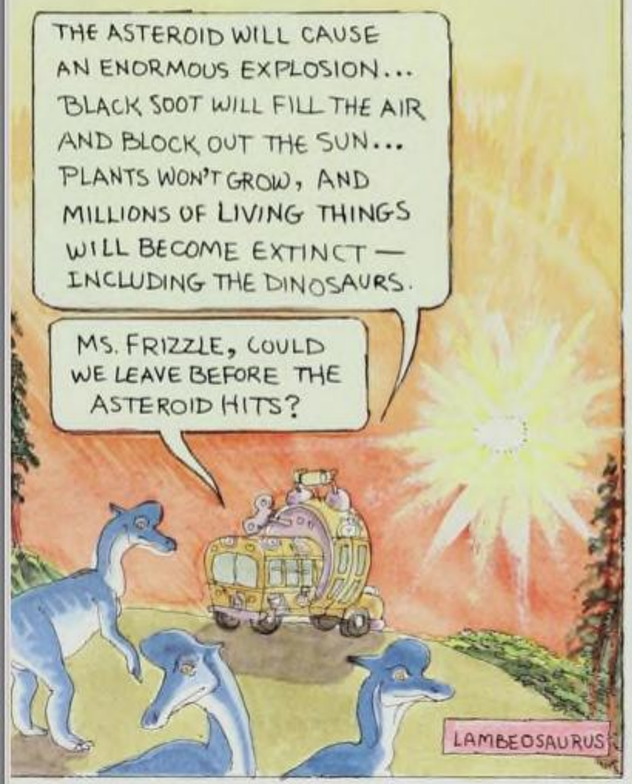
HURRY UP AND RUN!

Back in the bus, Ms. Frizzle drove
forward in time.
We thought we were going home,
but, on the way,
the bus screeched to a stop.

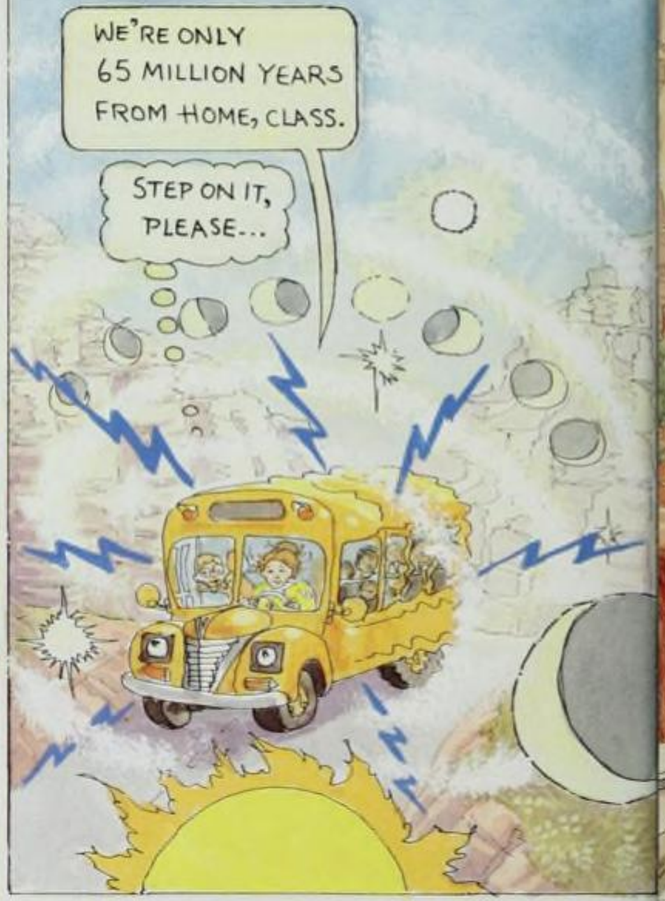
STRUTHIOMIMUS



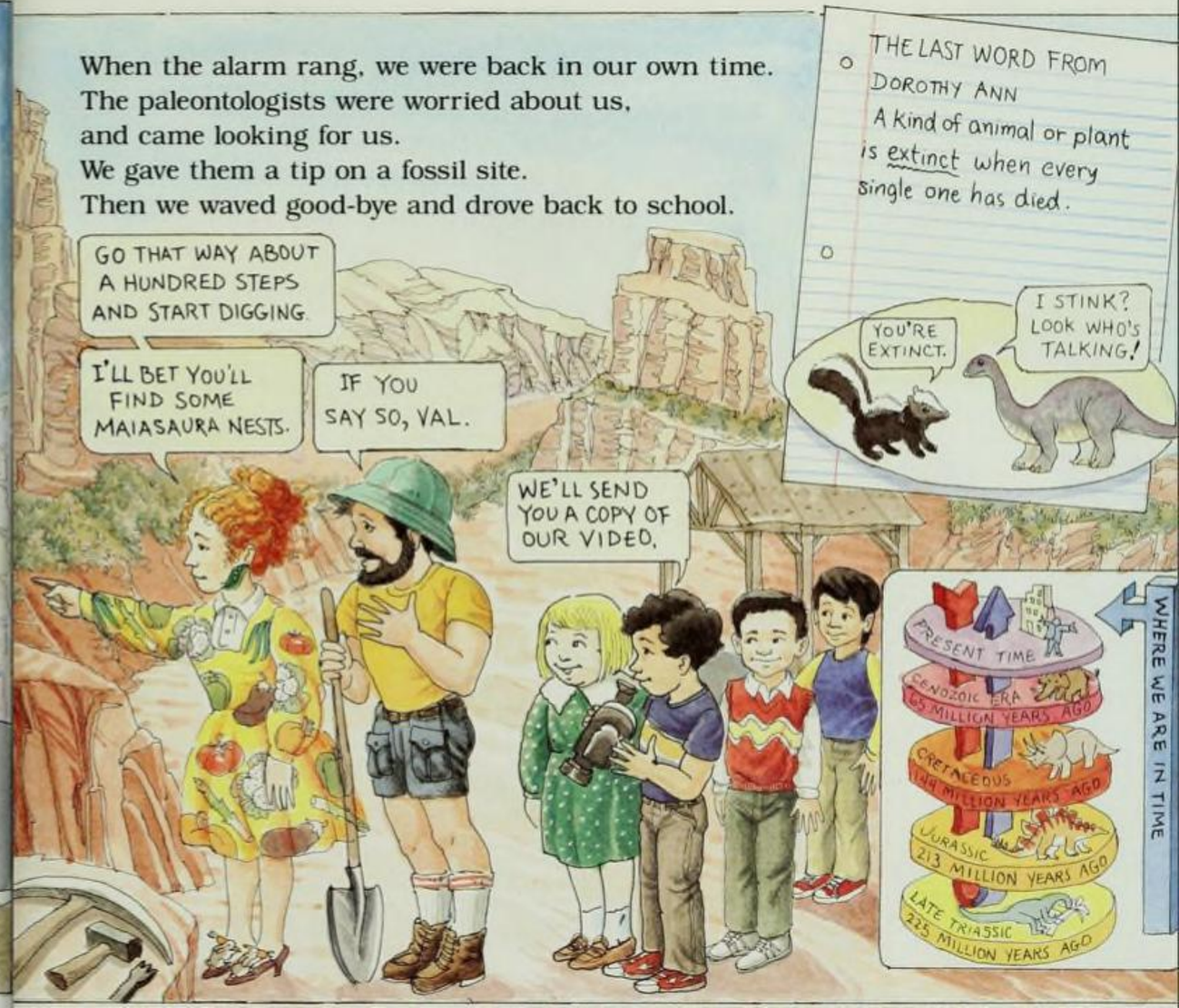
"We are in the very last minutes of the Cretaceous Period," said Ms. Frizzle. A bright light was shining in the sky. "Notice that asteroid," said the Friz. "It's a huge rock from outer space. Soon it will hit the earth."

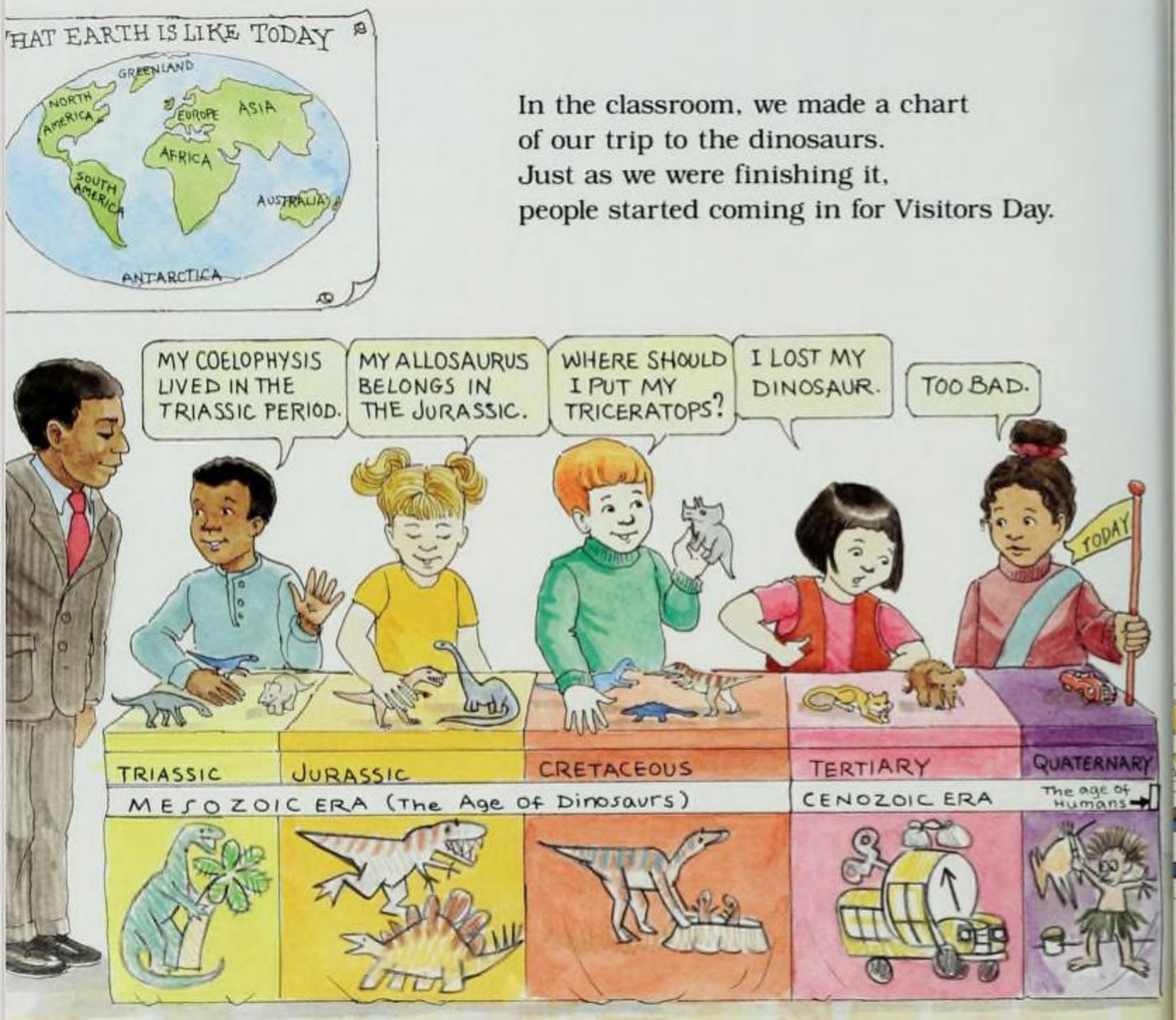

THE ASTEROID WILL CAUSE AN ENORMOUS EXPLOSION... BLACK SOOT WILL FILL THE AIR AND BLOCK OUT THE SUN... PLANTS WON'T GROW, AND MILLIONS OF LIVING THINGS WILL BECOME EXTINCT — INCLUDING THE DINOSAURS.
MS. FRIZZLE, COULD WE LEAVE BEFORE THE ASTEROID HITS?
LAMBEOSAURUS

The Friz pushed the forward button, and we started again.



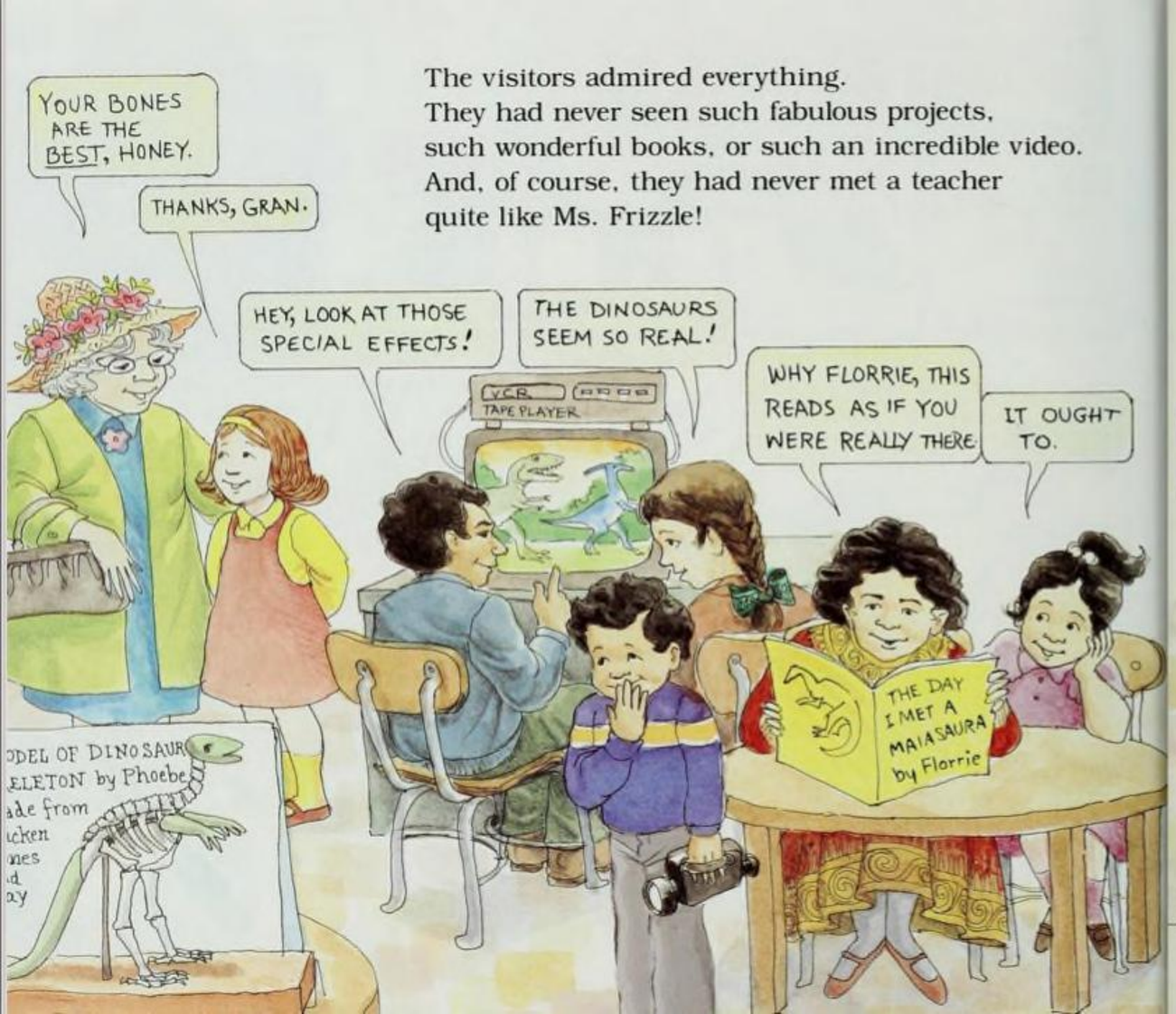
When the alarm rang, we were back in our own time. The paleontologists were worried about us, and came looking for us. We gave them a tip on a fossil site. Then we waved good-bye and drove back to school.

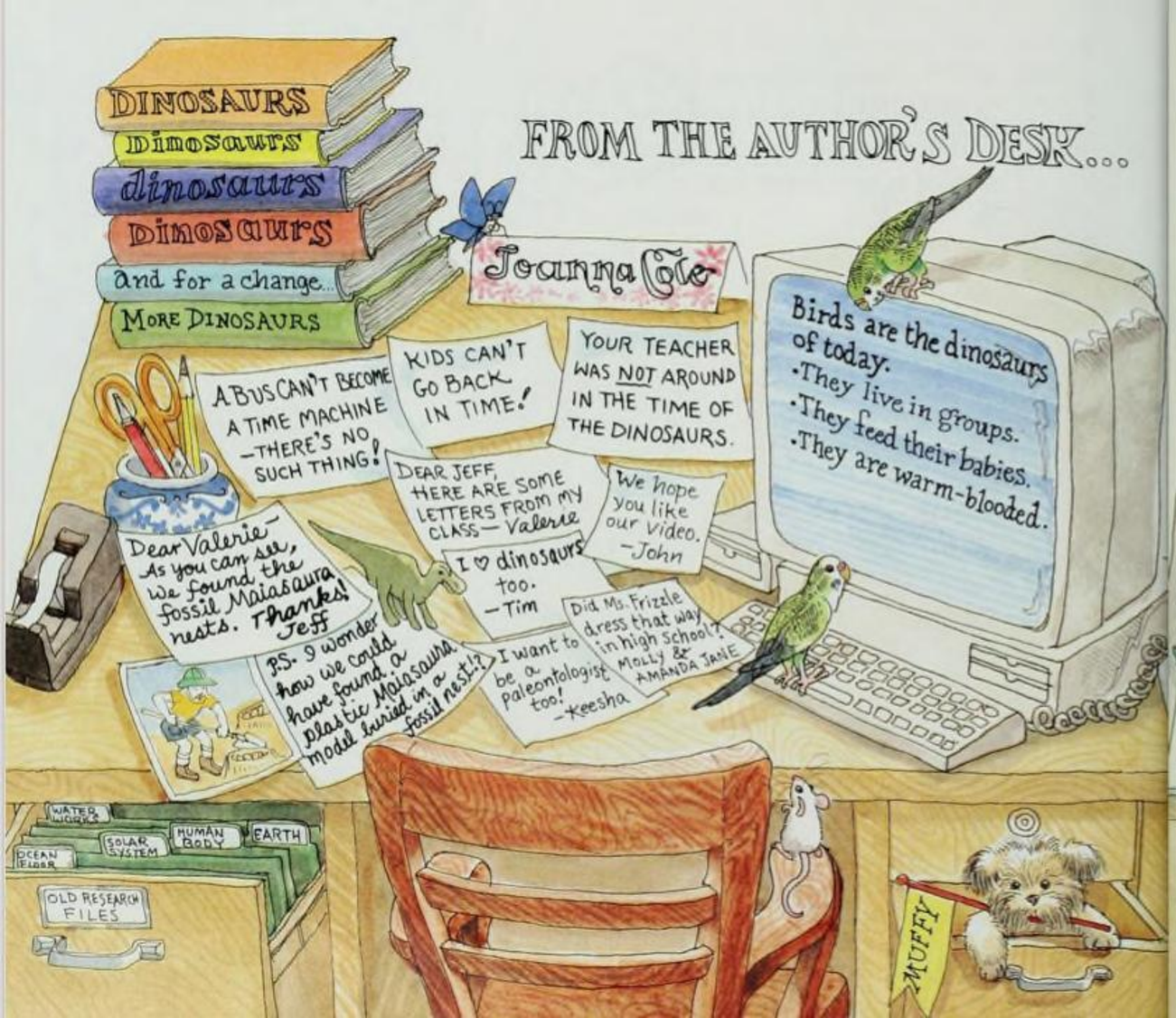

GO THAT WAY ABOUT A HUNDRED STEPS AND START DIGGING.
I'LL BET YOU'LL FIND SOME MAIASAURA NESTS.
IF YOU SAY SO, VAL.
WE'LL SEND YOU A COPY OF OUR VIDEO.
THE LAST WORD FROM DOROTHY ANN
A kind of animal or plant is extinct when every single one has died.
YOU'RE EXTINCT.
I STINK? LOOK WHO'S TALKING!
PRESENT TIME
CENOZOIC ERA 65 MILLION YEARS AGO
CRETACEOUS 144 MILLION YEARS AGO
JURASSIC 213 MILLION YEARS AGO
LATE TRIASSIC 225 MILLION YEARS AGO
WHERE WE ARE IN TIME



In the classroom, we made a chart
of our trip to the dinosaurs.
Just as we were finishing it,
people started coming in for Visitors Day.

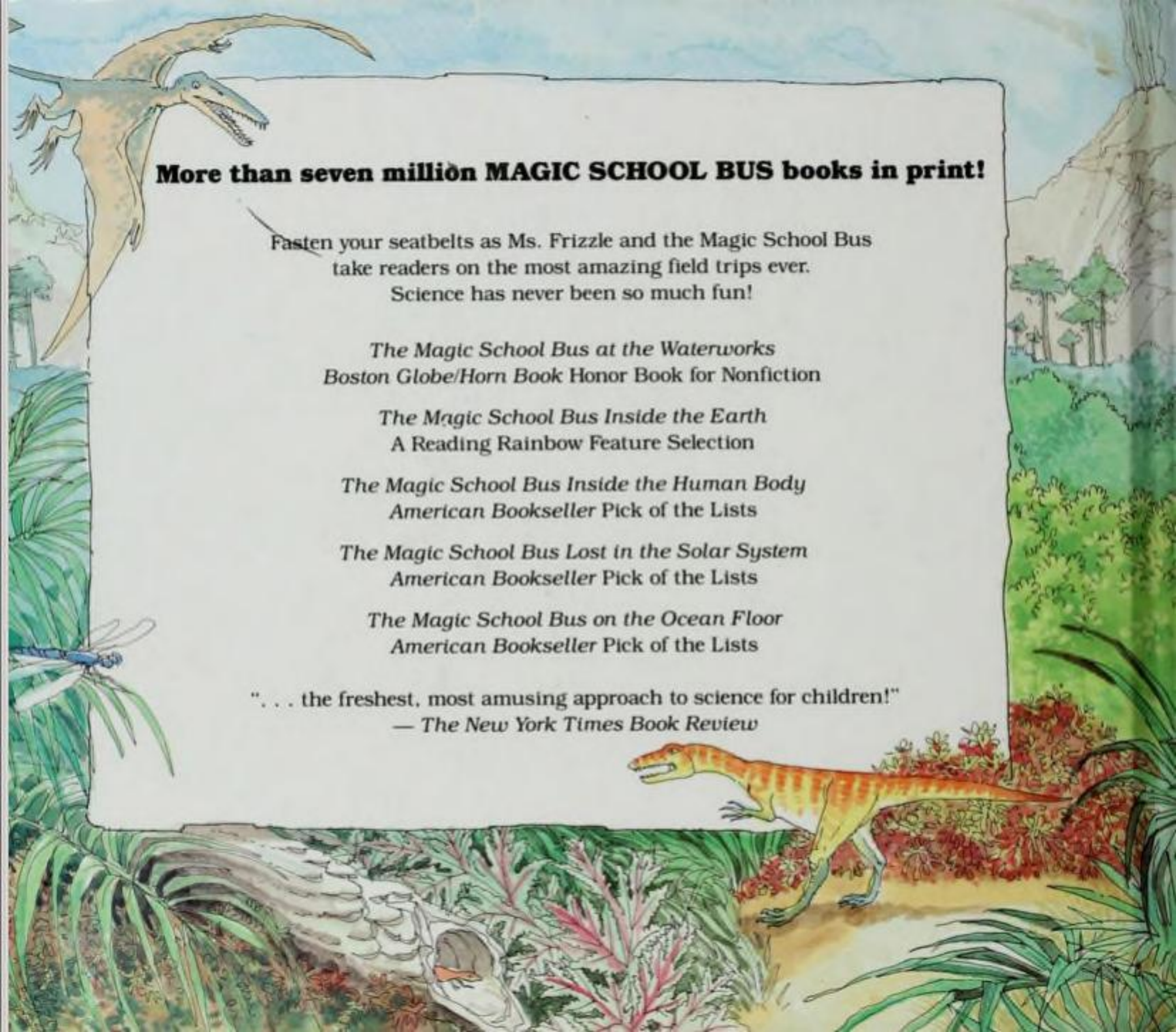
The visitors admired everything.
They had never seen such fabulous projects,
such wonderful books, or such an incredible video.
And, of course, they had never met a teacher
quite like Ms. Frizzle!




DINOSAURS
Dinosaurs
dinosaurs
DINOSAURS
and for a change...
MORE DINOSAURS
FROM THE AUTHOR'S DESK...
Joanna Cole
A BUS CAN'T BECOME A TIME MACHINE —THERE'S NO SUCH THING!
KIDS CAN'T GO BACK IN TIME!
YOUR TEACHER WAS NOT AROUND IN THE TIME OF THE DINOSAURS.
Birds are the dinosaurs of today.
·They live in groups.
·They feed their babies.
·They are warm-blooded.
Dear Valerie— As you can see, we found the fossil Maiasaura nests. Thanks! Jeff
P.S. I wonder how we could have found a plastic Maiasaura model buried in a fossil nest!?
DEAR JEFF, HERE ARE SOME LETTERS FROM MY CLASS — Valerie
I ♡ dinosaurs too. —Tim
We hope you like our video. —John
I want to be a paleontologist too! —Keesha
Did Ms. Frizzle dress that way in high school? MOLLY & AMANDA JANE
WATER VAPOR
OCEAN FLOOR
SOLAR SYSTEM
HUMAN BODY
EARTH
OLD RESEARCH FILES
MUFFY

AND THE ARTIST'S DRAWING BOARD
Bruce Degen
MAGNOLIAS ARE VERY CLOSE TO PREHISTORIC PLANTS
T. Rex — THE OLD WAY TO PICTURE THE STANCE: UPRIGHT
T. Rex — THE NEW WAY: HORIZONTAL
TAIL USED FOR BALANCE.
WE DON'T KNOW WHAT COLORS DINOSAURS WERE. MODERN REPTILES HAVE MARKINGS. MAYBE DINOSAURS DID, TOO.
Stegosaurus Plates
Paired or Alternating?
FERN
Model of Tyrannosaur tooth fossil. No flossing necessary.
OLD FRIZZLE PRESS IDEAS
BAILEY

TO THE DINOSAUR EXHIBIT
DINO-MODEL TOOTHPASTE



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